SIEMENS

Product data sheet 3SE5234-0HD03-1AC4



SIRIUS POSITION SWITCH;
PLASTIC HOUSING ACC. TO EN50047,
31MM 1NO/1NC SNAP-ACTION CONTACTS INTEGRATED
(NOT REPLACEABLE) W. M12 CONNECTOR,
4-POLE PIN ASSIGNMENT: PIN1=21,
PIN2=22, PIN3=13,PIN4=14,
FOR MAX.250V AND 4A ROLLER PLUNGER W. PLASTIC
ROLLER 10MM

Manufacturer article number

- of the basic unit included in the scope of supply
- of the actuator head for position switches included in the scope of supply

3SE5234-0HC05-1AC4

3SE5000-0AD03

General technical details:		
product designation		standard position switch
Explosion protection category for dust		none
Insulation voltage		
• rated value	V	250
Degree of pollution		class 3
Thermal current	Α	4
Operating current		
• at AC-15		
• at 24 V / rated value	Α	4
• at 125 V / rated value	Α	4
• at 230 V / rated value	Α	3
• at DC-13		
• at 24 V / rated value	Α	3
• at 125 V / rated value	Α	0.55
• at 230 V / rated value	Α	0.27
Continuous current		

• of the quick DAZED tase link 4 A 4 • of the Quark DAZED tase link A A 2 Mechanical operating cycles as operating time 15,000,000 15,000,000 • bill Characteristic circuits presenting cycles as operating time 100,000 100,000 • at AC-15 / at 230 V / typical 100,000 6,000 Electrical operating cycles in one hour • 6,000 6,000 • strict on special strict of contact strict shall contact strict of shall strict contact strict shall contact strict shall contact shall strict contact shall shall strict shall strict shall strict shall shall shall strict shall shal			
• of the C characteristic circuit breaker A 2	of the slow DIAZED fuse link	Α	4
Mechanical operating cycles as operating time	of the quick DIAZED fuse link	Α	4
	of the C characteristic circuit breaker	Α	2
Electrical operating cycles as operating time	Mechanical operating cycles as operating time		
• at AC-15 / at 230 V / typical 100,000 Electrical operating cycles in one hour 6,000 • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element xmap-action contacts Number of NC contacts 1 xmap-action contacts • for auxiliary contacts 1 xmap-action contacts Resistance against withaution 2 305,7mm/5g Resistance against vibration 2 25 +85 45 • during operating **C 25 +85 5 • during operating **C 25 +85 5 • Width of the sensor Envious Envious	• typical		15,000,000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element = map-action contacts Number of NC contacts = map-action contacts • for auxillary contacts 1 Besign of the switching function = map-action contacts • for auxillary contacts 1 • for auxillary contacts 1 • for auxillary contacts 1 Resistance against vibration = map-action contacts • for auxillary contacts 1 Resistance against vibration = map-action contacts • for auxillary contacts 1 Resistance against vibration = map-action contacts • during operating 0 25 35 • during operating 0 25 -485 • during storage 0 -25 -85 • during storage mm 31	Electrical operating cycles as operating time		
*with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy Design of the contact element Number of NC contacts *for auxiliary contacts *for au	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05 Design of the contact element mm 0.05 Number of NC contacts	Electrical operating cycles in one hour		
Design of the contact element snap-action contacts Number of NC contacts			6,000
Number of NC contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for discontance against vibration • for dimperature • during operating • during storage • for dimensions • plastic • plastic • plastic • plastic roller • mm/s / m/s • for dimensions • fo	Repeat accuracy	mm	0.05
• for auxiliary contacts 1 Design of the switching function positive opening, integrated Number of NO contacts • for auxiliary contacts 1 Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature • during operating • during storage °C -25 +85 • during storage °C -40 +90 Product specification • for dimensions EN 50047 • Vidit of the sensor mm 31 Material • of the enclosure plastic Material / of the housing / of the switch head plastic Design of the operating mechanism nm/s / m/s 0.1 1 Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP mm/s / m/s 0.1 1 mounting position M12 plug Cable gland version M2 plug, fixed Design of the electrical connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Design of the contact element		snap-action contacts
Design of the switching function positive opening, integrated Number of NO contacts	Number of NC contacts		
Number of NO contacts	• for auxiliary contacts		1
• for auxiliary contacts 1 Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature • • during operating °C -25 +85 • during storage °C -40 +90 Product specification EN 50047 • for dimensions EN 50047 Width of the sensor mm 31 Material • of the enclosure Material / of the housing / of the switch head plastic Design of the operating mechanism plastic roller Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP IP65 mounting position any Cable gland version M12 plug Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation s • according to DIN 40719 extendable after IEC 204-2 S	Design of the switching function		positive opening, integrated
Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage Product specification • for dimensions Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection Pusition M12 plug M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 Resistance against vibration CC - 25 +85 - 30g / 11 ms 40cording to DIN 40719 extendable after IEC 204-2 Satisfactory 30g / 11 ms 40cording to DIN 40719 extendable after IEC 204-2	Number of NO contacts		
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* during storage *C	Ambient temperature		
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• for dimensions Width of the sensor mm 31 Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection M12 plug Design of the plug-in connection M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S EN 50047 mm/s 10 11 12 13 14 15 16 17 18 18 19 19 19 10 10 10 11 11 11 11	during storage	°C	-40 + 90
Width of the sensor Material of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection M12 plug Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation according to DIN 40719 extendable after IEC 204-2 M14 plug M15 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14	Product specification		
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• of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP Mounting position Cable gland version Design of the electrical connection Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 Plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plastic plasti	Width of the sensor	mm	31
Material / of the housing / of the switch headplasticDesign of the operating mechanismplastic rollerActuating speedmm/s / m/s0.1 1Minimum actuating force / in activation directionN20Protection class IPIP65mounting positionanyCable gland versionM12 plugDesign of the electrical connectionM12 plug, fixedDesign of the plug-in connectionM12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14Item designation • according to DIN 40719 extendable after IEC 204-2S	Material		
Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP IP65 mounting position Cable gland version Design of the electrical connection Design of the plug-in connection M12 plug, fixed M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	of the enclosure		plastic
Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP IP65 mounting position any Cable gland version M12 plug Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Material / of the housing / of the switch head		plastic
Minimum actuating force / in activation direction Protection class IP IP65 mounting position Cable gland version M12 plug Design of the electrical connection M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation * according to DIN 40719 extendable after IEC 204-2 S	Design of the operating mechanism		plastic roller
Protection class IP mounting position Cable gland version Design of the electrical connection M12 plug, fixed M12 plug, fixed M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Actuating speed	mm/s / m/s	0.1 1
mounting position Cable gland version M12 plug Design of the electrical connection M12 plug, fixed M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Minimum actuating force / in activation direction	N	20
Cable gland version M12 plug Design of the electrical connection M12 plug, fixed M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Protection class IP		IP65
Design of the electrical connectionM12 plug, fixedDesign of the plug-in connectionM12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14Item designationS• according to DIN 40719 extendable after IEC 204-2S	mounting position		any
Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Cable gland version		M12 plug
3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Design of the electrical connection		M12 plug, fixed
• according to DIN 40719 extendable after IEC 204-2	Design of the plug-in connection		
	Item designation		
• according to DIN EN 61346-2 B	 according to DIN 40719 extendable after IEC 204-2 		S
	according to DIN EN 61346-2		В

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery Declaration of Conformity













Test Certificates

other

Special Test Certificate Confirmation

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

Cax online generator:

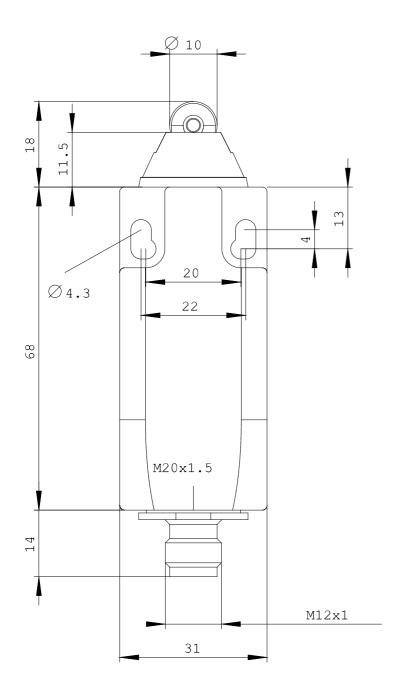
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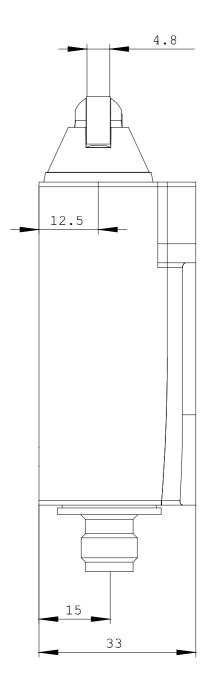
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

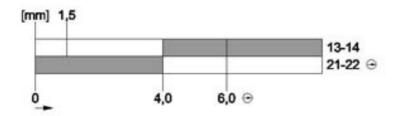
 $\underline{\text{http://support.automation.siemens.com/WW/view/en/3SE5234-0HD03-1AC4/all}}$

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5234-0HD03-1AC4







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